

troversies, seeing that *all* human science must consist of facts, or assemblages of facts, perceived by means of the senses; and that, therefore, metaphysics must rest as much on perceptible facts as does any of the so-called natural sciences. He promised to pursue the subject at a future meeting.

The minutes of the last meeting of the Board of Officers and Council were read, and, in accordance with a recommendation therein, the Dublin Geological Society, the London Philological Society, and the Liège Academy of Sciences, were ordered to be entered on the list of Corresponding Societies, and a copy of the New Series of the Transactions to be given to the first-named.

Pending nomination No. 397, and new nominations, from 398 to No. 415, were read.

A bill was presented for the painting of a portrait of Dr. N. Chapman by Waugh, after Sully, amounting to \$125, and was ordered to be paid,

And the Society adjourned.

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*Stated Meeting, June 15, 1860.*

Present, seven members.

Judge SHARSWOOD, Vice-President, in the Chair.

Letters, announcing donations to the Library, were read from the Academy at Vienna, dated July 7 and December 17; the Academy at Stockholm, dated November 25; and the Academy at Amsterdam, dated November 30, 1859.

Letters, acknowledging the receipt of donations from this Society, were read from the London Linnean Society, dated June 1, 1859; from the Historical Society of Pennsylvania, dated Philadelphia, May 29; from the Royal Library at Berlin, dated February 29; from the Natural History Society at Bonn, dated February 1; from the Imperial Academy at Vienna, dated February 24; and from Prof. Von Leonhard, of Heidelberg, dated February 26, 1860.

The following donations for the Library were announced :

- Sitzungsberichte der K. K. Akademie der Wissenschaften. Wien.  
*Math. Naturwissenschaftliche Classe*: XXXIII Band, Nos. 27, 28, 29. XXXIV, 1, 2, 3, 4, 5, 6. XXXV, 7, 8, 9, 10, 11, 12. XXXVI, 13, 14, 15, 16. XXXVII, 17, 18, 19, 20.  
 Register zu den Banden XXI bis XXX.—*Phil. Hist. Classe*: XXIX Band, Nos. 9 and 10 in one. XXX, No. 1. XXXI, 4, 5, 6. XXXII, 7. Register zu den Banden XXI bis XXX.  
 Almanach für 1859.  
 Verhandlungen des Naturhistorischen Vereines des Preussischen Rheinlande und Westphalens zu Bonn. xvi Jahr. 1st, 2d, 3d, and 4th heften, 1859.  
 Verhandelingen der K. Akad. van Wetenschappen. Letterkunde. I Deel, 4to. 1858, Amsterdam. VII Deel, 4to. 1859.  
 Verslagen en Mededeelingen, 8vo. IV Deel, Stuk 1, 2, 3.  
 “ “ Natuurkunde, 8vo. VIII “ one vol. 1858.  
 “ “ “ “ IX “ Stuk 1, 2, 3. 1859.  
 Jaareboek. 1858.  
 Handlingar Kong. Svenska Vetenskaps Ak. Vol. II, part i. 1857. 4to.  
 Ofversigt..... Förhandlingar, XV year. 1858. 8vo.  
 Berättelse..... Fysik, for year 1853, by E. Edlund..... Insekteras, Myriopodernas, Arachnidernas. Naturalhistoria, 1855–1856. C. H. Boheman.  
 Frigate Eugenia, Voyage. Zoologie, III, 4to. Marked 6 on back.  
 Proceedings of the Royal Geograph. Society of London, IV, 1.  
 Transactions of the Linnean Society, XXII. Parts iii, iv. 4to.  
 Journal of the Proceedings of the same. Zoology—II, Nos. 7, 8; III, 9, 10, 11, 12; IV, 13, 14, 15. Botany—II, 7, 8; III, 9, 10, 11, 12; IV, 13, 14, 15. Supplement, Nos. 1 and 2.  
 President Bell's Address, 2 copies. List of members, 2 copies.  
 Memoirs de l'Acad. Impériale de Dijon. 2d series, 7th vol. 1858'9.  
 Monthly Notices of the Royal Astronom. Society, No. 6. 1860.  
 Proceedings of the American Antiquarian Society. 1860.  
 Catalogue of the Library, Massachusetts Hist. Society, vol. I. A—L.  
 Proceedings of the Boston Society Nat. Hist., vol. VII, Nos. 15, 16.  
 Annual Report (42d) of the Trustees, New York State Library.  
 Supplement to U. S. Military Acad. Lib. Catalogue. N. Y., 1860.  
 Proceedings and Debates of the 3d National Quarantine and Sanitary Convention, held in New York, April, 1859, 8vo. bd. 700 pp.  
 Proceedings of the Acad. Nat. Sciences, Phila., 1860. Sigs. 6, 7, 8.  
 Journal of the Franklin Institute. June, 1860.

Medical News and Library. June, 1860.—*From the publishers.*

Ann. Report (27th), Philada. Board of Trade (170 pp. bound), 1860.

Rep. Sup. Com. Schools of Pennsylvania (bound, 300 pp.), 1859.

Sabrie's Book Circular, Nos. 6, 8. 1860.

Blanchard & Lea's Book Circular. 1860.

African Repository. May, 1860.

On Numerical Relations existing between the Equivalent Numbers of Elementary Bodies, by M. Carey Lea, part 2. From the Am.

J. of Sci. and A. XXIX. May, 1860.—*From the author.*

Pacific Railroad Reports, Vol. XI, House of Representatives. 1859.

Pacific Railroad Reports, Vol. XI, Senate. Washington. 4to.

Astronomical Journal. Cambridge, No. 134.—*From the editor.*

R. Isti. Lomb. List of members, &c., 4to. 4 pages.

On the Alloys of Copper and Zinc, by Frans. H. Storer (from the Mem. of Am. Acad. Nat. Sciences, viii), 4to. 56 pp. pamph.

Dr. Bache announced the decease, on the 5th of June last, of Samuel B. Ingham, a member of this Society, in the 80th year of his age; and Judge Sharswood was requested to prepare an obituary notice of the deceased.

Dr. Bache announced also positive intelligence of the decease of Mr. H. S. Tanner, a member of this Society, having taken place some two or three years ago.

Mr. Lesley described a self-registering combined thermometer and barometer, made and kept at work by Mr. Becker, mathematical instrument maker, in Columbia Street, Brooklyn, New York. A chronometer movement causes a small slate to advance for twenty-four hours from one end of a box, towards a Becker compound aneroid pile at the other end, armed with two long slender brass tentacles, between the ends of which the slate passes forward. Small slate-pencils, at the tips of the tentacles, are made to touch the two sides of the slate simultaneously, five minutes before each of the twenty-four hours of the day, and are simultaneously removed five minutes after each hour. The record-curves (barometric on the one side of the slate, and thermometric on the other), consist therefore of short lines, each ten minutes long. At the end of the twenty-four hours, a detent shoots the slate back and a new record begins. Instead of a slate, paper

cards can be used and filed away. The weather reports in the "New York Times" are furnished by Mr. Becker's instrument. The Becker aneroid pile is essentially the same which Mr. Beaumont employs in his manufacture of steam gauges and aneroid barometers, in Centre Street, New York.

Pending nominations Nos. 397 to 415 were read, and the Society adjourned.

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*Stated Meeting, July 20, 1860.*

Present, six members.

Professor CRESSON, Vice-President, in the Chair.

Letters acknowledging the reception of the last issue of Transactions, Proceedings, Laws, and List of Members, were read from the Royal Academy at Berlin, dated December 31, 1859; the Horticultural Society, Berlin, April 5; the Royal Society, Edinburgh, April 28, 1859; the Massachusetts Historical Society, and Mr. Edward Everett, of Boston, June 16; the Corporation of Harvard College, June 18; the American Antiquarian Society, June 25; the Connecticut Historical Society, Hartford, and Charles W. Polman, of New York, in behalf of the Westeraas Library, in Sweden, June 20; the New Jersey Historical Society, Newark, and the State Library, at Harrisburg, June 20; the Smithsonian Institution, at Washington, dated March 16, March 21, and April 15, and the Academy of Science, at St. Louis, June 23, 1860.

Letters announcing donations were read from the Royal Academy, Berlin, dated December 31; the Imperial Academy, Vienna, March, 1860; the Horticultural Society, at Berlin, April 5, and W. C. H. Staring, of Harlem, January 16, 1860.